

## CLAIMS

1       1. A host site comprising:  
2       an application tier that generates resource utilization data; and  
3       a client-response tier that performs admission control using said  
4       resource utilization data.

1       2. A host site as recited in Claim 1 wherein:  
2       said client-response tier has  
3             an admissions control gateway for receiving client requests  
4             from client computers;  
5             a deferral manager for making determinations concerning  
6             which of said client requests should be admitted for  
7             processing at least in part as a function of application-  
8             resource-utilization data;  
9             a client-request processor for processing client requests  
10            admitted for processing, said client-request processor  
11            generating application requests in response to at least some  
12            of said client requests, said client-request processor  
13            generating client responses in response to application  
14            responses received in response to said application requests;  
15            and  
16       said application tier has  
17            at least one application-tier server not in said client-  
18            response tier,  
19            an application processing function running on said server  
20            for responding to said application requests with said  
21            application responses, and  
22            a resource monitor for generating said application-  
23            resource-utilization data by monitoring utilization parameters  
24            on said server, said resource monitor communicating said  
25            resource-utilization to said deferral manager.

1       3. A system as recited in Claim 2 wherein said client-request  
2 processor transmits said client responses to said client computers  
3 in accordance with an http protocol.

1       4. A system as recited in Claim 2 wherein said client-response  
2 tier includes at least one client-response-tier server on which said  
3 deferral manager and said client-request processor run, said client-  
4 response-tier also having a client-response-tier resource monitor for  
5 generating client-response-tier resource utilization data as a  
6 function of parameters associated with said client-response-tier  
7 server, said client-response-tier resource monitor providing said  
8 client-response-tier resource utilization data to said deferral  
9 manager, said deferral manager making said determinations in part  
10 as a function of said client-response-tier resource utilization data.

1       5. A system as recited in Claim 4 wherein said deferral manager  
2 also generates requests to expand the processing capacity on said  
3 client-response tier.

1       6. A system as recited in Claim 2 wherein said deferral manager  
2 generates requests to expand the processing capacity on said  
3 application tier.

1       7. A system as recited in Claim 6 wherein said processing  
2 capacity is expanded by one or more of the following: increasing the  
3 number of servers, increasing the number of processors, increasing  
4 CPU entitlement.

1       8. A network hosting method for a host site having an  
2 application tier and a client-response tier, said application tier  
3 having at least one server not included in said client-response tier,  
4 said method comprising a client-response process and a resource-  
5 monitoring process,  
6       said resource-monitoring process involving  
7           a1) monitoring resource utilization at said application tier,  
8           a2) generating resource-utilization data at said application  
9 tier and transmitting said resource-utilization data to said  
10 client-response tier, and  
11       said request processing involving  
12           b1) receiving at said client-response-tier a client request  
13 from a client via a network,  
14           b2) making an admissions determination at said client-  
15 response tier whether said client request should be admitted  
16 immediately or deferred, said determination being made at  
17 least in part as a function of said resource-utilization data,  
18           b3) when said client request is admitted, sending an  
19 application request from said client-response tier to said  
20 application tier,  
21           b4) generating an application response at said application  
22 tier and transmitting said application response to said client-  
23 response tier, and  
24           b5) generating a client response as a function of said  
25 application response and transmitting said client response to  
26 said client via said network.

1       9. A method as recited in Claim 8 wherein at step b2) in the  
2 event a determination is made to defer admission of said client  
3 request, a notification is sent to said client to that effect via said  
4 network.

1       10. A method as recited in Claim 8 wherein at step b2, in the  
2 event a determination is made to defer admission, a request is  
3 generated to increase the processing capacity on said application  
4 tier.

1       11. A method as recited in Claim 8 wherein at step b2) said  
2 determination is also a function of resource-utilization data  
3 generated at said client-response tier.

1       12. A host site method comprising:  
2       generating resource-utilization data on an application tier; and  
3       using said data on a client-response tier to determine admission-  
4 control policy.